

**REMARKS**

This amendment is responsive to the First Office Action on the merits dated June 15, 2004. Applicants respectfully request reconsideration and allowance of claims 1-19 as set forth herein.

**The Office Action**

The Office Action of June 15, 2004 is the first action on the merits. In this Office Action:


**Claims 20-33** stand withdrawn due to a previous restriction requirement.

**Claim 1** stands rejected under 35 U.S.C. §102(b) as being anticipated by Eckblad et al. (U.S. Patent No. 6,407,922, hereinafter "Eckblad").

**Claims 2-19** are indicated as containing allowable subject matter.

**Applicants request acknowledgment of the Information Disclosure****Statement of July 7, 2003**

Applicants note that neither the present Office Action of June 15, 2004, nor the previous Restriction Requirement of Feb. 23, 2004, acknowledge receipt and consideration of Applicants' Information Disclosure Statement (IDS) filed with the original application on July 7, 2003. The PTO receipt postcard indicating receipt of this IDS is reproduced below.

Inventor/Applicant: <u>Acik et al.</u>		Pat. No. _____
Title: <u>Electronic Devices &amp; Methods for</u>		Ser. No. <u>10/614497</u>
Attorney Docket No. <u>007200136</u>		Filed <u>March 17, 2003</u>
Initials _____		Date <u>July 7, 2003</u>
<input checked="" type="checkbox"/> <b>PATENT/DESIGN APPLICATION</b>		
<input checked="" type="checkbox"/> New Application Transmittal		
<input type="checkbox"/> Cont. _____ Div. _____ C-I-P _____ Provisional _____ Extension of Time (For _____ month(s))		
<input type="checkbox"/> CPA Transmittal _____ PCT Request _____		
<input type="checkbox"/> Declaration/Power of Atty. _____		
<input checked="" type="checkbox"/> pgs. Specification <u>18</u>		
<input checked="" type="checkbox"/> pgs. Claims <u>6</u>		
<input checked="" type="checkbox"/> pgs. Abstract <u>2</u>		
<input checked="" type="checkbox"/> Sheet(s) of drawing(s) Figs. <u>1-8</u>		
<input type="checkbox"/> formal _____ informal _____		
<input type="checkbox"/> Preliminary Amendment		
<input type="checkbox"/> Request and certification under 35 U.S.C. 122(b)(2)(B)(i)		
<input type="checkbox"/> Claim for Right of Priority		
<input type="checkbox"/> Appln. Filed _____		
<input type="checkbox"/> Priority document(s) _____		
<input type="checkbox"/> Small Entity Statement(s) _____		
<input type="checkbox"/> Final Fee _____ Publication Fee _____		
<input type="checkbox"/> Response to missing parts		
<input checked="" type="checkbox"/> <b>ASSIGNMENT</b>		
<input type="checkbox"/> Transmittal _____ Confirmatory _____		
<input checked="" type="checkbox"/> <b>INFORMATION DISCLOSURE STATEMENT</b>		
<input type="checkbox"/> PTO Form 1449 _____ Refs. _____		
<b>"DOCKETED"</b>		<b>17575 U.S. PTO</b> <b>10/614497</b> 
<b>RECEIPT IS HEREBY ACKNOWLEDGED</b>		

Applicants respectfully request acknowledgment of receipt and consideration of Applicants' IDS of July 7, 2003 in the forthcoming Office Action.

**Withdrawn claims 20-33 are canceled herein**

Claims 20-33, which were withdrawn due to a previous restriction requirement, are canceled herein. However, Applicants reserve the right to the right to pursue these claims in a subsequent divisional application.

**Claims 2 and 10, which are indicated as containing allowable subject matter, have been placed into independent form**

Claims 2 and 10, which are indicated in the Office Action as containing allowable subject matter, have been placed into independent form. Accordingly, it is submitted that claims 2 and 10, as well as claims 3-9 and 11-19 that depend directly or indirectly therefrom, are now in condition for allowance.

Applicants respectfully request allowance of claims 2-19.

**Claim 1 has been amended to more clearly distinguish over the references of record**

Claim 1 has been amended herein to call for a light emitting device including a light emitting die having a light-emitting principal side and a die bonding principal side opposite the light emitting principal side, and a heat-sinking support structure on which the die bonding principal side of the light emitting die is disposed. The light-emitting principal side of the light emitting die faces away from the heat-sinking support structure to emit light. Nanotube regions containing nanotubes are arranged between the heatsinking support structure and the die bonding principal side of the light emitting die. The nanotube regions are arranged to contribute to heat transfer from the light emitting die to the heat-sinking support structure.

Eckblad does not specify a light emitting die. Moreover, the devices of Eckblad are not compatible with a light emitting die, because as shown in FIGURES 1 and 2 of Eckblad the semiconductor die (3, 3') is arranged between the PC board (9) and the heat sink (7). In these arrangements, there is no place for light produced by the light emitting die to be emitted.

In contrast, claim 1 calls for the heat sinking support structure to be disposed on a die bonding principal side of the light emitting die. The light-emitting principal side of the light emitting die is opposite the die bonding principal side, and faces away from the heat-sinking support structure to emit light. The nanotube regions are arranged between the light emitting die and the heat sinking support structure, and thus do not impede light emitted by the light-emitting principal side.

For at least these reasons, it is respectfully submitted that claim 1 as amended herein patentably distinguishes over the references of record. Applicants therefore respectfully ask for allowance of claim 1 as set forth herein.

### CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that claims 1-19 as set forth herein are fully in condition for allowance. Accordingly, Applicants respectfully ask for allowance of claims 1-19 as set forth herein.

Respectfully submitted,  
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